Mountain Weather Forecast

Lake District National Park

Forecast valid from 06:00 on Tuesday 07 Mar 2023 until 23:59 on Wednesday 08 Mar 2023

Forecast Issued on Tuesday 07 Mar 2023 at 02:39

Confidence: High for mostly fair Tuesday and Wednesday, also for unsettled from Thursday, but lowering for detail or timing, intensity and snow level.

Headline for Tuesday 07 Mar 2023: Mainly dry with prolonged sunshine, but cold northwest summit winds.

Mountain weather hazards on Tuesday 07 Mar 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** Medium Likelihood	**Poor visibility** No Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 800m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Sunny intervals	Sunny intervals	Sunny intervals	Sunny	Sunny	Clear night
Precipitation probability					
00%	00%	<05%	10%	00%	00%

Forecast for Tuesday 07 Mar 2023

Weather: A fine dry and sunny day for the vast majority, with only the odd isolated light snow showers possible for the afternoon.

Chance of cloud-free hill tops above 800m: 90% plus

Low cloud and visibility: Very good with little if any cloud on the hills.

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Mountain Weather Forecast

Forecast for Tuesday 07 Mar 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	19/22 NE	14/17 N	12/16 N	13/18 NW	10/13 N	9/11 N	6/8 NE
600	11/13 N	11/14 N	11/15 NW	13/18 NW	7/9 W	6/10 NW	4/6 NE
300	5/15 N	6/13 N	7/14 N	8/16 NW	2/8 NW	2/8 NW	2/6 N
Valley	6/16 N	7/13 N	5/12 N	7/13 NW	4/8 NW	4/9 N	4/6 NE

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	-7/-15	-7/-14	-5/-12	-5/-11	-6/-11	-6/-11	-6/-10
600	-4/-10	-4/-10	-3/-8	-2/-8	-4/-7	-4/-8	-4/-7
300	-2/-5	-1/-5	1/-3	1/-2	-2/-4	-3/-5	-3/-5
Valley	0/-3	1/-2	3/1	4/1	1/-1	1/-1	-0/-3
Freezing Level*	00m	00m	00m	00m	00m	00m	00m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Significant wind chill at height.

Forecast for Wednesday 08 Mar 2023

Weather: Clear skies through the early hours. Then cold, dry and sunny with light winds, although some patchy cloud building in the afternoon. Thicker cloud may spread north overnight.

Maximum wind: Easterly 5-10mph, increasing 15-20mph in the evening.

Chance of cloud-free hill tops above 800m: 90% plus

Low cloud and visibility: Generally very good or excellent with little if any cloud expected on the hills. A slight chance of cloud lowering onto the tops in the evening.

Temperature: **Valleys:** Minus 9 Celsius increasing plus 3 Celsius for the afternoon
At 800m: Minus 6 Celsius
Freezing level: 200m or less

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Mountain Weather Forecast

Ground Conditions Supplement

Date: Monday 6 March 2023 Location: Helvellyn summit at 13:35. Full report: A layer of fresh, soft snow with some hail and spindrift has settled above 750m. Its depth rises slightly with height but only reaches an average of around 2cm at 900m. Below 850m this lies on bare ground. Above 850m, and especially above 900m, there can be old rime ice and snow underneath making conditions more slippery. Similarly above 850m on popular routes there can be ice under the fresh snow where old snow has been compressed by walkers' boots. Microspikes are strongly recommended to negotiate such ground safely. Above roughly 930m on steep north and east facing slopes there are patches of old, hard snow, which have been present for weeks, and are now situated under the fresh snow. Owing to their locations, though, they are not on any paths so walkers are unlikely to have to negotiate them. Exposed routes on the high fells, such as Striding and Swirral Edges, require particular care and attention owing to the mixed underfoot conditions varying from fresh snow on what was bare ground to fresh snow on old snow/ice described earlier. The fresh snow has created a noticeable contrast between the green valleys and the wintry feeling summit which, at 1-30pm gave a windchill reading (what the temperature actually feels like) of minus 10 degrees C. Therefore full winter clothing (waterproofs, extra warm layers, hat and gloves), mountain boots and equipment including a torch, map and compass are all essential to safely, and enjoyably, roam the fells. Good navigational skills are always required, but are especially crucial when entering low cloud when combined with snow obscuring ground features. Given the present conditions, for those heading above the snowline microspikes are strongly recommended; the snow currently not being deep enough for crampons. However, once again (we are sounding like that proverbial broken record), there is the possibility of further showers from this evening which could fall as snow at altitude so walkers heading for the high fells should be prepared to encounter more snow than described here making crampons and an ice axe a sensible addition to the rucksack. Goggles could also be useful to lessen the sting of any windblown hail or spindrift. Temperature: minus 2.2 C, Maximum wind speed 15.1 mph, Wind chill: minus 9.8 C, Average wind speed: 7.2 mph

Issued at: 02:39 on Tue 07 Mar 2023

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